Performance Data Sheet

AJB5515EXV

General Information

Model	AJB5515EXV	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h							
	Watts							
	Amps							
	Lb/h							
-10	Btu/h							
	Watts							
	Amps							
	Lb/h							
-5	Btu/h							
	Watts							
	Amps							
	Lb/h							
0	Btu/h							
	Watts							
	Amps							
	Lb/h							
5	Btu/h							
	Watts							
	Amps							
	Lb/h							
10	Btu/h							
	Watts							
	Amps							
	Lb/h							
15	Btu/h							
	Watts							
	Amps							
	Lb/h							
20	Btu/h							
	Watts							
	Amps							
	Lb/h							

25	Btu/h							
	Watts							
	Amps							
	Lb/h							
30	Btu/h	73.3						
	Watts							
	Amps							
	Lb/h							
35	Btu/h	27200	27000	26400	25500	24500	23400	22300
	Watts	9260	9340	9400	9460	9530	9610	9710
	Amps	8690	8690	8690	8690	8690	8690	8690
	Lb/h	553	559	560	557	550	542	534
40	Btu/h	28700	28500	28000	27100	26000	24900	23700
	Watts	9230	9350	9440	9530	9610	9710	9830
	Amps	8690	8690	8690	8690	8690	8690	8690
	Lb/h	570	577	579	577	571	564	556
45	Btu/h	18700	18600	18100	17300	16200	15000	13800
	Watts	1190	1340	1470	1580	1680	1800	1930
	Amps	5.50	5.74	6.07	6.48	6.93	7.40	7.87
	Lb/h	206	215	218	216	211	204	196
50	Btu/h	11700	11600	11100	10300	9210	8000	6730
	Watts							
	Amps							
	Lb/h							
55	Btu/h	21800	21800	21300	20500	19400	18200	16900
	Watts	1050	1270	1460	1620	1770	1920	2070
	Amps	5.84	6.14	6.53	6.99	7.49	8.02	8.53
	Lb/h	242	254	259	259	256	250	243

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.517870E+06	-1.053879E+06	-1.146436E+06	-5.055226E+04
C2	1.081143E+05	7.555517E+04	8.214779E+04	3.605509E+03
C3	5.397004E+02	1.512883E+01	-2.788300E-01	8.690416E+00
C4	-2.514003E+03	-1.759313E+03	-1.910755E+03	-8.388046E+01
C5	4.746480E+00	1.445464E+00	4.062978E-03	6.272776E-02
C6	-5.662304E+00	-4.159364E-01	1.691015E-03	-8.156810E-02
C7	1.905075E+01	1.332564E+01	1.447544E+01	6.355124E-01
C8	-1.338039E-03	-1.146476E-04	-3.217920E-05	4.383647E-05
C9	-2.093302E-02	-4.374581E-03	-1.446023E-06	-2.275890E-04
C10	1.666673E-02	1.805771E-03	-4.219158E-06	2.269720E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature